

Converting Colors

$Yxy(80.0794, 0.2954, 0.3033)$

Have a look what the booklet for
Yxy(80.0794, 0.2954, 0.3033)
contains.

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Color

Yxy(80.1445, 0.2954, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	E3E6FF
RGB	227, 230, 255
RGB Percent	89%, 90%, 100%
CMY	0.1097, 0.0980, 0.0000
CMYK	0.11, 0.10, 0.00, 0.00
HSL	234°, 100%, 95%
HSV	234°, 11%, 100%
XYZ	78.0313, 80.1445, 105.9788
YIQ	231.9530, -9.8130, 7.1390

Conversions

Conversions Part 2

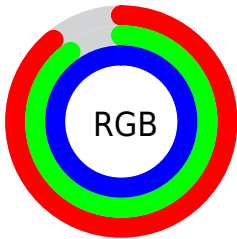
Format	Color
R _Y B	227, 230, 255
Decimal	14935807
CIE Lab	91.75, 3.74, -12.43
CIE LCh	92, 12.982, 286.755
Yxy	80.1445, 0.2954, 0.3034
Android (android.graphics.Color)	4293125887 (0xFFE3E6FF)
YUV	231.9530, 11.3622, -4.3438
Hunter-Lab	89.5235, -1.0802, -7.5217

Details

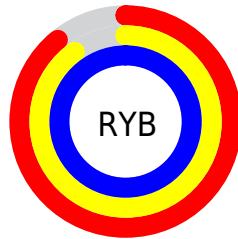
The Yxy color **80.1445, 0.2954, 0.3034** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.4401, 0.3295, 0.3534**, and the grayscale version is **80.5808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5078, 0.2921, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **64.4392, 0.2778, 0.2769**, and if you desaturate by 10%, it is **98.1256, 0.3113, 0.3269**.

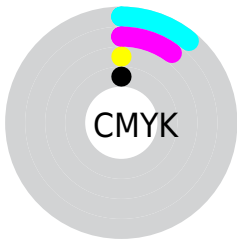
Distribution



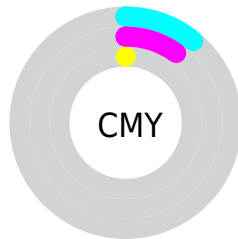
- Red (89%)
- Green (90%)
- Blue (100%)



- Red (89%)
- Yellow (90%)
- Blue (100%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1445, 0.2954, 0.3034 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.1445, 0.2954, 0.3034 by changing the saturation by 10% instead.

80.1445, 0.2954,
0.3034

80.1445, 0.2954,
0.3034

495.4197, 0.3033,
0.3149

59.8373, 0.2936,
0.3008

133.5689, 0.2981,
0.3073

43.2875, 0.2915,
0.2977

167.4548, 0.2992,
0.3089

30.1107, 0.2887,
0.2938

206.6358, 0.3001,
0.3102

19.9227, 0.2852,
0.2888

251.4961, 0.3009,
0.3114

12.3388, 0.2805,
0.2822

302.4203, 0.3016,
0.3124

6.9749, 0.2739,
0.2730

359.7927, 0.3022,

3.4464, 0.2638,

0.3134

0.2593

423.9977, 0.3028,
0.3142

■ 1.3690, 0.2471,
0.2370

■ 0.1937, 0.1773,
0.1247

■ 80.1445, 0.2954,
0.3034

■ 80.1445, 0.2954,
0.3034

■ 64.4392, 0.2778,
0.2769

■ 98.1256, 0.3113,
0.3269

■ 50.9125, 0.2585,
0.2475

100.0000, 0.3127,
0.3290

■ 39.4697, 0.2382,
0.2157

■ 30.0069, 0.2175,
0.1827

■ 22.4110, 0.1976,
0.1501

■ 16.5572, 0.1800,
0.1201

■ 12.3056, 0.1659,
0.0949

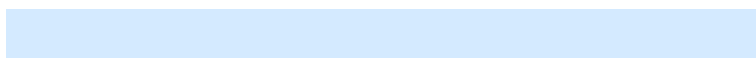
■ 9.4941, 0.1564,
0.0763

■ 8.0113, 0.1516,
0.0659

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1445, 0.2861, 0.3069



80.1445, 0.2954, 0.3034



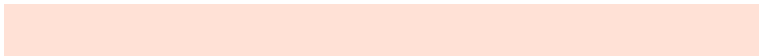
80.1445, 0.3095, 0.3065

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1445, 0.2954, 0.3034



80.1445, 0.3426, 0.3405



80.1445, 0.3004, 0.3434

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



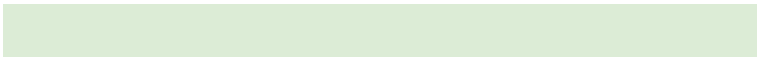
80.1445, 0.2954, 0.3034



96.4401, 0.3295, 0.3534

Split Complementary

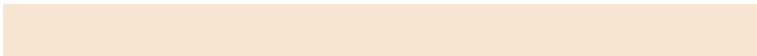
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1445, 0.3154, 0.3529



80.1445, 0.2954, 0.3034



80.1445, 0.3399, 0.3508

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1445, 0.2954, 0.3034



80.1445, 0.3370, 0.3275



80.1445, 0.3299, 0.3556



80.1445, 0.2890, 0.3298

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1445, 0.2954, 0.3034



80.1445, 0.3198, 0.3118



80.1445, 0.3299, 0.3556



80.1445, 0.3052, 0.3472

Sweetspot

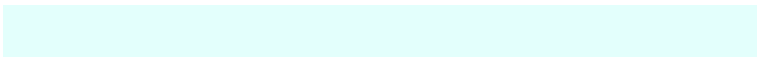
The Sweet Spot groups the original color and five complimentary colors.



80.1467, 0.2954, 0.3034



94.2941, 0.3082, 0.3224



94.8653, 0.2976, 0.3322



19.8640, 0.3070, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1467, 0.2954, 0.3034



76.7826, 0.2920, 0.2983



80.3010, 0.3024, 0.3009



17.6890, 0.2979, 0.3071



4.2861, 0.1520, 0.0673



0.5147, 0.1558, 0.0808

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.9212, 0.3304, 0.3261



78.8800, 0.3341, 0.3255



96.3491, 0.3222, 0.3567



18.0185, 0.3278, 0.3265



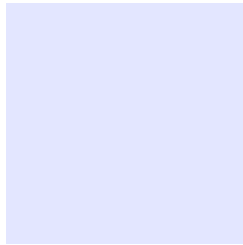
11.1606, 0.6278, 0.3232



1.0965, 0.6056, 0.3110

Previews

White Background



This preview shows how the Yxy color 80.1445, 0.2954, 0.3034 looks on a white background.

Color Contrast Check

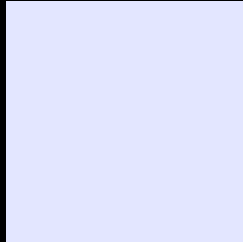
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 80.1445, 0.2954, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

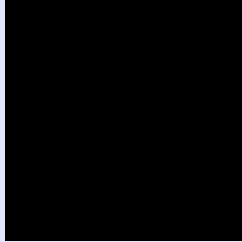
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1445, 0.2954, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 80.1445, 0.2954, 0.3034.

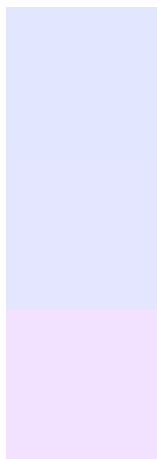


This preview shows how white text looks on a background with the Yxy color 80.1445, 0.2954, 0.3034.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.1445, 0.2954, 0.3034

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

79.9477, 0.3053, 0.2991



Tritanopia

80.1601, 0.2983, 0.3104

Trichromacy



Original Color

80.1445, 0.2954, 0.3034

Protanomaly

80.3076, 0.2960, 0.3035

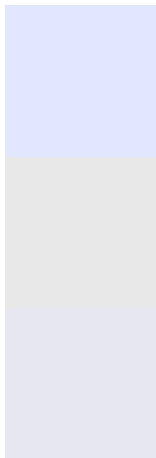
Deuteranomaly

80.1627, 0.3019, 0.3009

Tritanomaly

80.2856, 0.2971, 0.3084

Monochromacy



Original Color

80.1445, 0.2954, 0.3034

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.2661, 0.3064, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1445, 0.2954, 0.3034 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1445, 0.2954, 0.3034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 230, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 230, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1445, 0.2954, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
230, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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